FAIL-SAFE®

DESCRIPTION

The Fail-Safe Medical/Task Undercabinet Custom Length series provides effective task and enhancement lighting solutions for any application. This wraparound front, specification grade fluorescent undercabinet series incorporates the latest Energy Efficient Technology biaxial fluorescent lamps and electronic or ballasts to efficiently improve the appearance and productivity of the illuminated environment. Custom lengths to 1/4". The unique low profile wraparound front design conforms to various applications such as nursing stations, offices, laboratories, computer work centers and practically any undercounter installation where high light levels and an inconspicuous light source are required.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Lens
Choice of extruded 100% virgin acrylic, linear ribbed diffuser with 50% DR additive, or co-extruded lens with opaque white front. See Lens Options.

B ... Integral Reflector
Standard integral reflector for improved efficiency.

C ... Housing
Available in 1 5/8" deep, heavy gauge CRS or optional stainless steel housing construction. Housing has no exposed fasteners. Keyhole mounting slots are located on top of housing for ease of installation. KO's are for continuous row mounting.

D ... Lamp
(By Others)

E ... Finish
Standard white high reflectance polyester powder coat finish.

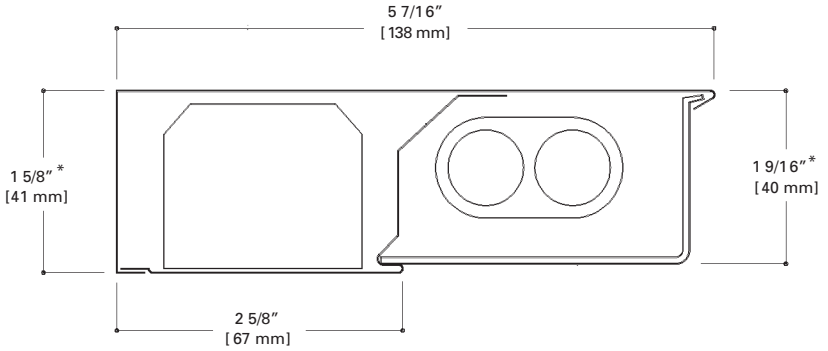
F ... Ballast
Standard, Class P, CBM/ETL ballast.

G ... Labels
U.L. listed, C.S.A. certified, standard damp label.

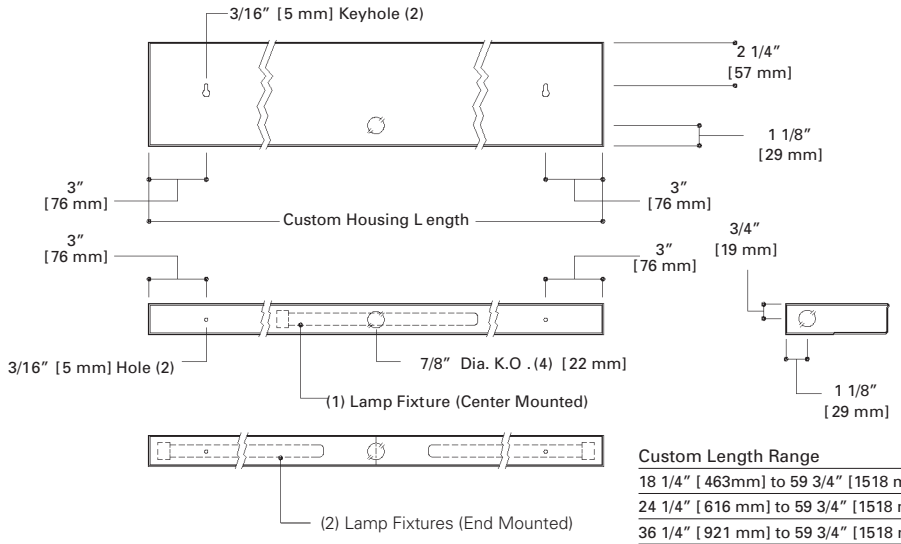
MCT-BX

39W - 80W
Biaxial Fluorescent

CUSTOM LENGTH
LOW PROFILE
MEDICAL/TASK
UNDERCABINET
LUMINAIRE
Wraparound Lens



MOUNTING DATA



Custom Length Range	Lamp
18 1/4″ [463mm] to 59 3/4″ [1518 mm]	(1) 39WBX
24 1/4″ [616 mm] to 59 3/4″ [1518 mm]	(1) 40WBX
36 1/4″ [921 mm] to 59 3/4″ [1518 mm]	(2) 39WBX
48 1/4″ [1225 mm] to 59 3/4″ [1518 mm]	(2) 40WBX

ENERGY DATA

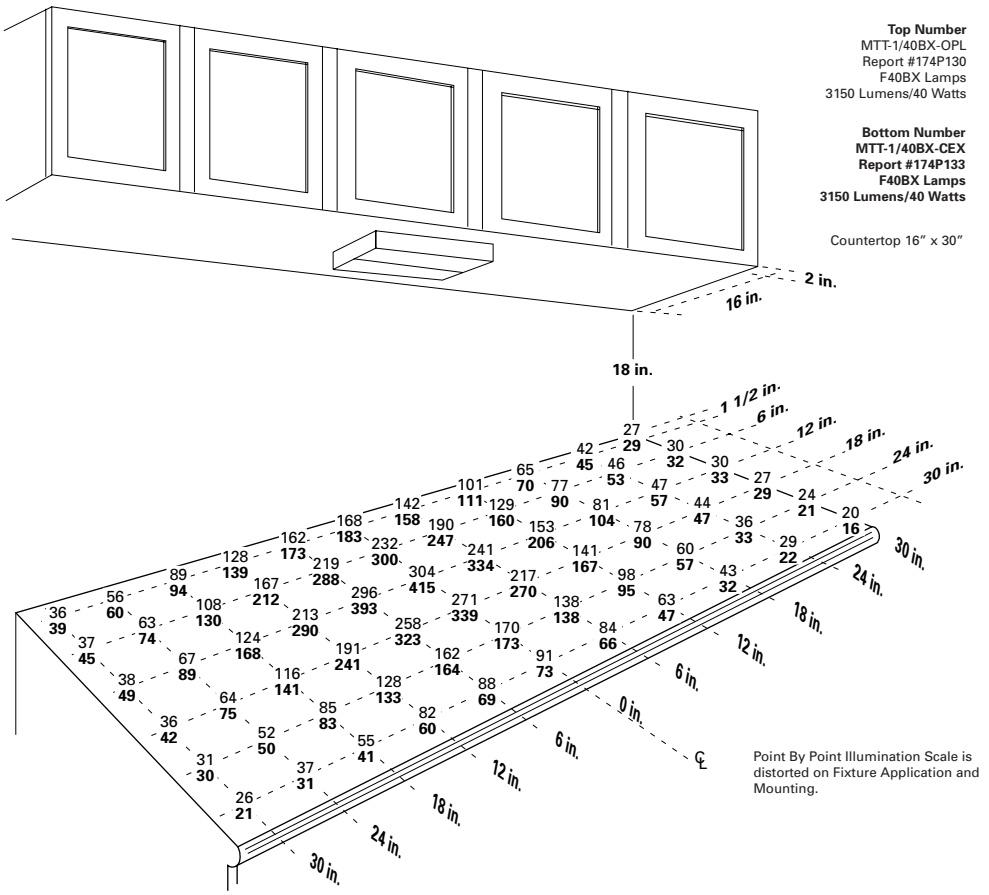
Input Watts:

Electronic Ballasts and Standard Lamps

(1) 39W Biaxial Lamp: 43W
(2) 39W Biaxial Lamps: 80W
(1) 40W Biaxial Lamp: 44W
(2) 40W Biaxial Lamps: 78W

Fixture Application Illustration

MOUNTING HEIGHT 18″



Top Number
MTT-1/40BX-OPL
Report #174P130
F40BX Lamps
3150 Lumens/40 Watts

Bottom Number
MTT-1/40BX-CEX
Report #174P133
F40BX Lamps
3150 Lumens/40 Watts

Countertop 16″ x 30″

Point By Point Illumination Scale is distorted on Fixture Application and Mounting.

Optional Mounting Heights

MOUNTING HEIGHT 15″

Top Number MTT-1/40BX-OPL - Report #174P129
Bottom Number **MTT-1/40BX-CEX - Report #174P132**

27	42	67	103	142	164	153	118	78	49	31	*1-1/2″*
30	**46**	**70**	**107**	**147**	**170**	**161**	**123**	**80**	**51**	**33**	
30	47	79	133	202	244	228	163	94	55	34	*6″*
33	**53**	**90**	**163**	**254**	**312**	**289**	**206**	**110**	**60**	**36**	
29	47	87	174	294	364	343	227	116	56	33	*12″*
33	**57**	**112**	**234**	**405**	**502**	**471**	**305**	**143**	**68**	**36**	
26	42	77	151	249	304	282	196	98	51	29	*18″*
26	**45**	**86**	**174**	**295**	**369**	**349**	**224**	**112**	**54**	**30**	
20	32	55	96	134	162	152	113	66	38	23	*24″*
19	**29**	**48**	**79**	**118**	**140**	**134**	**78**	**57**	**33**	**21**	
16	23	34	52	66	78	80	62	42	27	18	*30″*
13	**18**	**25**	**34**	**43**	**51**	**50**	**41**	**30**	**11**	**14**	
30″	***24″***	***18″***	***12″***	***6″***	***0***	***6″***	***12″***	***18″***	***24″***	***30″***	

MOUNTING HEIGHT 24″

Top Number MTT-1/40BX - OPL - Report #174P131
Bottom Number **MTT- 1/40BX- CEX - Report #174P134**

31	48	70	98	126	140	126	98	70	48	31	*1-1/2″*
36	**54**	**83**	**123**	**162**	**181**	**162**	**123**	**83**	**54**	**36**	
34	53	81	118	154	176	154	118	81	53	34	*6″*
41	**65**	**105**	**158**	**211**	**237**	**211**	**158**	**105**	**65**	**41**	
35	54	86	131	176	202	176	131	86	54	35	*12″*
43	**70**	**117**	**177**	**241**	**274**	**241**	**177**	**117**	**70**	**43**	
34	54	82	126	167	188	167	126	82	54	34	*18″*
40	**64**	**107**	**155**	**210**	**240**	**210**	**155**	**107**	**64**	**40**	
31	47	70	99	129	140	129	99	70	47	31	*24″*
31	**49**	**75**	**113**	**146**	**157**	**146**	**113**	**75**	**49**	**31**	
27	36	52	67	88	95	88	67	52	36	27	*30″*
23	**34**	**48**	**66**	**80**	**92**	**80**	**66**	**48**	**34**	**23**	
30″	***24″***	***18″***	***12″***	***6″***	***0***	***6″***	***12″***	***18″***	***24″***	***30″***	

ORDERING INFORMATION

SAMPLE NUMBER: MCT-139BX-120-38.25-OPL-EBX1

Series

MCT

MCT=Medical Custom Length Wraparound Lens

Lamp Type

Biaxial Fluorescent
139BX=(1)39W Lamp
140BX=(1)40W Lamp
239BX=(2)39W Lamps
240BX=(2)40W Lamps

Voltage

120=120V
277=277V
347=347V

Custom Length

18 .25″ to 59.75″ for (1) 39WBX
24.25″ to 59.75″ for (1) 40WBX
36 .25″ to 59.75″ for (2) 39WBX
48.25″ to 59.75″ for (2) 40WBX

Specify in decimal inches as required.
Factory tolerances ± 1/16″

Lens Type

OPL= Opal Linear Prism
CEX=Co-Extruded (Clear Linear Prism with Opaque White Front)

Ballast

Electronic Ballast [2]
EBX1=(1) Ballast for use with Biaxial Lamp
EBX2=(2) Ballasts for use with Biaxial Lamp

Options

6 C P =Six-foot Cord with Grounded Plug[1]
GCO=Grounded Convenience Outlet (White)[1]
G F I =Ground-Fault Outlet (Duplex)[1]
G L R =GLR Fuseholder with Fuse
RSW=Rocker Switch (White)

Stainless Steel Housings
SSN=Natural Brushed Finish
SSP=White Polyester Finish

Notes:
For additional options consult Cooper LIghting Representative.
Specifications and Dimensions subject to change without notice.

Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.

[1]For use with 120V only.
[2]For specific electronic ballast, specify brand and catalog number.